UST-10B **UST General Requirements Inspection Checklist** Inspector's Name: Facility ID#: Inspection Date: Arrive at facility: Depart facility: I. Ownership of Tanks II. Location of Tanks Owner's Name (Corporation, Individual, Public Agency, or other entity): Facility Name: Street Address: Street Address: City: State: Zip Code: County: City (nearest): Zip Code: NC Number of UST systems on site (including non-regulated): Phone Number: Contact Person for UST Location: Phone Number: Facility Phone Number: Date ownership of the UST systems began: Date individual became operator of the UST system: **III. Primary Operator** Primary Operator Name (print legibly): Primary Operators Title: Primary Operators Company Name: Primary Operator has passed training? ☐ Yes □ No Phone Number: Emergency Response Operator log (UST-26) onsite Emergency Response Operator at inspection is ☐ Yes ☐ No ☐ Yes ☐ No and completed with names of trained employees? listed in training log? UST Information Tank #1 Tank #2 Tank #3 Tank #4 Tank #5 Tank #6 Current tank status (Currently Operating, Temporarily Closed, Permanently Closed, Unknown) If not currently operating, date last operated If not currently operating, list inches of product in Month and year UST system installed Material of tank construction (note SW or DW) DW required if installed after 11/1/07 6. UST piping installed on or after 11/1/2007? (Y/N) Material of piping construction (note SW or DW) DW required if installed after 11/1/07 Capacity of tank (gallons) Substance stored (Premium, Mid-grade, Regular, E-Blend, Diesel, Biodiesel, Biodiesel Blend, Kerosene, Waste Oil, New Oil, Racing Gas, etc.) 10. If E-blend > 10% or Biodiesel Blend > 20%, was UST-20 completed and approved? (Y,N, N/A) V. Leak Detection (Indicate which method is being used according to the owner / operator) Tanks: (Inspector description or use codes) 2. Piping: (Inspector description or use codes) Pressurized, Suction or European Piping: (P/S/E) Use the following codes for leak detection: [Tanks Only]: IC/TTT = Inventory Control & Tank Tightness Testing, ATG = Automatic Tank Gauging, MTG = Manual Tank Gauging [Piping Only]: LTT =Line Tightness Testing, E =Electronic Line Leak Detector [Tanks and/or Piping]: SIR = Statistical Inventory Reconciliation, G = Groundwater Monitoring, V = Vapor Monitoring, I = Interstitial Monitoring, N = None, O = Other

UST-10B	(Corrosio	n Protec	tion				NCDENR					
Inspection Date:	Inspector's Name:			Page:	of	_ Fac	cility ID#:						
I. Corrosion Pro	otection Information	Tank #1	Tank #2	Tank #3	Tank #4	Tar	nk #5	Tank #6					
A. Corrosion Protection	n for Tanks:												
Dielectric Coating Insta 12/22/1988)	alled (If tank installed after (Y, N, N/A)												
B. Corrosion Protection	n for Piping:												
12/22/1988)	alled (If piping installed after (Y , N , N/A)	 	<u> </u>	<u> </u>	Γ	\top							
Use the following codes for co			Steel-Fiberglass Rei or Liner, SA =Sacrif		•	•	Reinforce	d Plastic, sti-P3 ,					
II. Cathodic Pro						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
for the following situ	ment - Internal inspection in a lations) he current version of the <i>Proce</i>					Y/N	P/F	Date					
Corrosion Protection		aures ioi oo i	Systems war	moperative of	l Falleu	<u> </u>	<u> </u>						
installed corrosion p	an internally lined tank (lined norotection system and the tank					List	applicat	ole tank ID's:					
B. Interior Lining	-												
1	he date the tanks were initially lined.												
	The date the tanks were initially lined. Has an internal inspection been conducted in accordance with a national code (API-1631 or NLPA-631) vithin 10 years of liner installation and every 5 years after that?												
-	on Design (Only complete this s		installed CP syst	tem is installed a	after 3/1/06 for	Y/N							
Did a corrosion expe	ert design the CP system?					Γ <u></u>	1/1/2	199 <u>99</u>					
Corrosion Expert Name:		Cert	tificate Number:	Certifyi	ng Organizatior	n: Cl	Start Da	ate:					
D. Cathodic Protection	n Testing					\	//N	P/F					
1. Has a CP test been	conducted within past three ye	ears?											
CP Tester Name:		Cert	tificate Number:	Certifyi	ng Organizatior	n: Da	ate of Las	st CP Test:					
CP Testing Company:		City:	:	State:			///						
2. Was a UST-7A/B fo	orm submitted to the UST Section	on?		(Y/N :	and Date)		* * * *						
3. Are the last three "6	60 day" inspection records avai	lable for the ir	npressed curre	ent system?	(Y/N)								
4. What was the voltage	ge and current set at after the l	ast test of the	impressed cur	rent system?		·	V	А					
5. What is the voltage	and current currently reading f	or the impress	sed current sys	stem?		1	V	А					
6. What is the hour me	eter reading for the impressed	current systen	n?		hrs	Che	ck if not	nstalled					

Page 2 7/7/10

U	ST-10B				Lea	ak De	tecti	on for l	Piping					N	CDENR
Inspe	ction Date:		Ins	pector's N	lame:					Page:	0	f	Facility ID	D#:	
I.	Pressuri	zed Pi _l	ping					Tank #1	Tank #	2 Tai	nk #3	Tank #	4 Tank	c #5 T	ank #6
1.	Line Leak D	etectors ((3.0 gph)	(MLL	D, E LLD,	N one)									
2.	Manufacture	er of MLLI	D/ELLD S	System											
3.	Name/Mode	l of MLLC	D/ELLD S	ystem											
4.	Is MLLD/ELI	LD Syste	m Third-F	arty Cer	tified?	(Y/	N)								
5a.	Most recent	LLD test		(Date	-required	annually)									
5b.	LLD test res	ult		(Pass	, Fail, Inc	conclusive)								
(Req	uired annually		3 years if ir	`	,)7 and mo	onitored								
6b.	LTT result			(Pass	, Fail, Inc	onclusive)								
7.				,		,									
ш							oundwater	Monitoring, V	=Vapor Mon	itoring, I =	Interstitia	al Monitoring	g, E =ELLD		
		•			-										
		LII	(D			• •									
		- :	41)								
2.	•	•		,		,	oundwater	Monitoring, V	=Vapor Mon	itoring, I =	Interstitia	al Monitoring	<u> </u>		
III.								<u> </u>		<u>.</u>					
1.	Operates at	less than	atmosph	eric pres	ssure	(Y/	N)								
2.	Only one ch	eck valve	, directly	under pı	ımp	(Y/	N)								
			s product	to drain	back into										
4.	Above inforr	nation (1,	,2,3) is ve	rifiable		(Y/	N)								
IV.	Supporti	ng Info	ormatio	on											
											d? (Y/N	1)	☐ Yes		No
			•	cal / Ele	ctronic)	Equipm	nent and	d Line Tigh	tness Te	sting					
							Lou			<u> </u>			T		
							•								
		Tank									1				I = None) Tank
Ye		#1	#2	#3	#4	#5	#6	Year		#1	#2	#3	#4	#5	#6
Leak detection codes: SIR =Statistical Inventory Reconcilitation. G = Groundwater Monitoring, V = Vapor Monitoring, I = Interstitial Monitoring, E = ELLD II. Standard (American) Suction Piping 1a. Most recent LTT (Date - required every 3 years)														No	
15 16	1a. Most recent LTT (Date - required every 3 years) 1b. LTT result (Pass, Fail, Inconclusive) 2. Monthly monitoring method (Use LD codes below) Leak detection codes: SIR =Statistical Inventory Reconciliation, 6 = Groundwater Monitoring, V = Vapor Monitoring, I = Interestitial Monitoring III. Safe (European) Suction Piping 1. Operates at less than atmospheric pressure (Y/N) 2. Only one check valve, directly under pump (Y/N) 3. Slope of piping allows product to drain back into tank when suction is released (Y/N) 4. Above information (1,2,3) is verifiable (Y/N) IV. Supporting Information A. Line Tightness Test Method Manufacturer and Name/Model of LTT: Is LTT Third-Party Certified? (Y/N) Yes No B. Line Leak Detector (Mechanical / Electronic) Equipment and Line Tightness Testing MLLD/ELLD/LTT Tester Name: MLLD/ELLD/LTT Tester Name: C. ELLD Monthly Monitoring Results (Use Page 7, 8, 9, 10, 13 or 14 for any other method) (P = Pass, F = Fail, INC = Inconclusive, N = Noter Name														NO.

U	ST-10B	UST Siting	and Sp	ill / Ove	rfill Pre	evention	1			NCDENR
Inspe	ection Date:	Inspector's Name:			I	Page:	of	Facility	ID#:	
I.	Water Supply / Pro	otected Waters	- UST Sit	ing Issue	es				YES	NO
1.	Is municipal water availab	ole?								
2.	Do any businesses or hom	nes within 500 feet of	the UST syst	em use a hu	man consu	mption well?	1			
3.	Are there any protected su									
*clas	ssified as High Quality Water (HQW	V), Outstanding Resource W 1 If either questions						SA)		
Ш	Site Diagram / Cor	•	2 OI 3 ale al	iswered wit	11 a 1 L 3, CC	inpiete r ag	e 10			
								locatio followi tanks dispe perm (dista roads watel monii	n of the ng: sensers anent sences to) ser supply toring we ce water	etructures v wells vells ers
III.	Spill and Overfill F	Prevention Equ	ipment	Tank #1	Tank #2	Tank #3	Tank #4	Tan	k #5	Tank #6
1.	Spill prevention equipmen	nt present?	(Y, N)							
2.	Spill bucket is double-wall (If installed after 11/1/07)		(Y, N, N/A)							
3.	Spill bucket is isolated or materials? (If installed after		ng (Y, N, N/A)							
4.	Overfill prevention equipm	nent: (B all Float, F lap H igh-Level Aları								
5.	Overfill prevention equipm	nent verified?	(Y, N)							
6.	Annual Overfill check date (if installed after 11/1/07)		UST-22A							
7.	Annual Overfill check resu (if installed after 11/1/07)		UST-22A (P, F, N/A)							
8.	Is a drop tube present?		(Y, N)							
9.	Stage I vapor recovery pro	•	Point, N one)							
	Permit Information	n								
1.	Permit Expiration Date:				orter / Fuel tory field)	Deliverer:				
3.	Tank listed on operating p	ermit?	(Y, N)							
4.	Any deliveries to unpermit If yes, complete Page 19, Deliver		(Y, N)							

Page 4 7/7/10

L	IST-10B	Sump	s / Under	Di	spense	r Conta	ainmer	ıt			NCDENR
Insp	pection Date:	Inspector's Na	me:				Page:	of	F	acility ID#:	
I.	Tank Top Sumps				Tank #1	Tank #2	Tank #3	3 Tar	nk #4	Tank #5	Tank #6
1.	Flex connector, Piping extension present:		er metal fittings , BV, E, M, N, Unk	:)*							
2.	Flex connector is isolated from	the ground:	(Y, N, N/A, Ur	nk)							
3.	Submersible pump (STP) is iso		, , , ,	A)							
4.	Piping extensions and/or other ground:	metal fittings a	re isolated from (Y, N, N/A, Ur	nk)							
5.	Flex connectors, STP, piping e cathodically protected by:	xtensions, or ot	her metal fittings a (IC, SA, N, N/A								
6.	Are tank top containment sump	'	(Y, N								
7. 8.	Any releases evident in tank to Are single-wall piping component	<u> </u>	(Y, N	l)							
	sump? (If installed after 11/1/0		(Y, N, N/	A)			<u> </u>		•	<u> </u>	
I۱	/. UDC		Disp#	Dis	sp #	Disp #	Disp #	•	Disp	#	Disp #
1.	Flex connector, Piping extension other metal fittings are present (F, BV, E, M	:									
2.	Flex connector is isolated from (Y,	the ground: N, N/A, Unk)									
3.	Piping extensions and/or other are isolated from ground: (Y,										
4.	CP for flex connectors, piping e or other metal fittings: (IC, §	extensions, SA, N, N/A)**									
5.	Are dispenser containment sur	mps present?									
6.	Any releases evident under the dispensers?	e (Y, N)									
7.	Are single-wall piping compone in a containment sump? (If installed after 11/1/07)	ents located (Y, N, N/A)									
8.	Dispensers have current calibratickers	ration (Y, N, N/A)									
			Disp#	Dis	sp #	Disp #	Disp #	•	Disp	#	Disp #
1.	Flex connector, Piping extension other metal fittings are present (F, BV, E, M	: '									
2.	Flex connector is isolated from										
3.	Piping extensions and/or other are isolated from ground: (Y,										
4.	CP for flex connectors, piping or other metal fittings: (IC, S	extensions, SA, N, N/A)**									
5.	Are dispenser containment sur	• •									
6.	Any releases evident under the dispensers?	e (Y, N)									
7.	Are single-wall piping compone in a containment sump? (If installed after 11/1/07)	ents located (Y, N, N/A)									
8.	Dispensers have current calibr stickers	ration (Y, N, N/A)									
*	(F =Flex Connector, BV = Ball Va (IC = Impressed Current, SA = \$					own)			-	1	

UST-10E	3		L	eal	k D	ete	ecti	on	– <i>F</i>	۱ut	on	nati	c T	Γan	k (3 au	ge						N.	DEI	<u>\</u> √R
Inspection Date:		I	Inspec	ctor's	Nam	e:									Pag	e:	of			Fac	cility I	D#:			
I. Automat	tic Tank C	au	ge I	nfo	rma	atio	n																		
Manufacturer and	d Name/Model	of AT	G Co	nsole) :						Is A	TG C	onsc	ole T	hird-	Party	Certif	ied?	?] Ye	es		No)
ATG Probe: Capacitar	nce				Magn	etos	strictiv	ve																	
II. Monthly	y Automat	tic 7	Γan	k G	auç	je N	/lon	itor	ing												YES	;	NO	N	I/A
1. Is the ATG	console prese	ent a	ind o	pera	tiona	l?																			
2. Were all va	alid fail tests re	eport	ed to) the	divis	ion w	vithin	ı 24 h	ours	?															
3. Were all va	alid fail tests in	vest	igate	d wit	thin 7	day	s?			_	_	_			_		_	_						[
III. Automa	atic Tank	Ga	uge	Те	st F	₹es	ults	š																	
If Enhanced I	Leak Detection	on re	quire	∍d pe	r 2N	.030)4 the	en: V	Veek	dy T	est r	equir	ed at	t 0.2	gal/l	nr OR	a Mc	nth	ıly T	est r	equi	red a	at 0.1	gal/	hr h
	ults: P = P						I =	Incor	nclus																
Year	ar Month Tank #1 Tank #2 Tank #3 Tank #															k #4	4	T	ank	k #5			Tank	(#6	
																$\vdash \vdash$	╨	\downarrow		_			\sqcup		
	January														$\vdash \vdash$	╨	\downarrow					\sqcup			
	January February March														$\vdash \vdash$	╨	\downarrow		\dashv			\sqcup			
	April	L		\bigsqcup	Ш	Щ	\bigsqcup	\sqcup				\sqcup				$\vdash \vdash$	╨	\downarrow		\Box			\sqcup		
	May	L		\bigsqcup	Ш	Щ	\bigsqcup	\sqcup				\sqcup				$\vdash \vdash$	╨	\downarrow		\Box			\sqcup		
	June	L		\bigsqcup		Щ	igsqcup	\sqcup	_			\sqcup				$\vdash \vdash$	- -	\downarrow		\dashv			\longrightarrow		
	July	L		\bigsqcup		Щ	igsqcup	\sqcup				\sqcup				$\vdash \vdash$	- -	\downarrow	\longrightarrow	\dashv			\longrightarrow		
	August	<u> </u>		Ш			igsqcup	\sqcup				\sqcup				$\vdash \vdash$	- -	\downarrow	\longrightarrow	\dashv			\longrightarrow		
	September	L		igsquare			igsqcup	\sqcup	_							$\vdash \vdash$	- -	\dashv	\dashv	\dashv			\longrightarrow		
	October	<u> </u>		igsquare			igspace	\sqcup								\vdash	- -	\dashv	\dashv	\dashv			\longrightarrow	_	
	November	L		igsquare			igsqcup	\sqcup								$\vdash \vdash$	- -	\dashv	\dashv	\dashv			\longrightarrow		
	December			Ш														ᆛ					Ш		
Is leak detection	on being cond	ducte	d in a	acco	rdan	ce wi	ith th	ird pa	arty p	erfo	rma	nce c	laim1	?						Yes] N	0	

Page 6 7/7/10

UST-10B	Leak I	Detect	ion -	- Inter	stitia	l Mo	nitorin	g (pri	or to 1	1/1/07)			NCDENR	
Inspection Date:	Insp	ector's Nan	ne:					Page:	of		Facility	ID#:		
I. Interstitial	Monitoring of	on Tank	KS		Tan	nk #1	Tank #2	Tank	c #3	Tank #4	Tan	k #5	Tank #6	
Construction t		(D ouble-wa		,										
 Method of inte Visual) 	erstitial monitoring	(Electronic	c, M echa	nical,										
3. Monitoring free	quency	(Cont	inuous o	r P eriodic)										
II. Interstitial	Monitoring	on Pipi	ng		Pip	e #1	Pipe #2	Pipe	#3	Pipe #4	Pipe	e #5	Pipe #6	
	ype (D ouble-walled		-											
 Method of inte Visual) 	erstitial monitoring	(Electronic	c, M echa	nical,										
3. Monitoring free	quency (Continuou	s or P eriod	lic)											
III. Interstitia	<u>~</u>													
Manufacturer and Na	me/Model of Inters	titial Monito	ring Con	sole:										
Manufacturer and Name/Model of Interstitial Monitoring Probe - Tank: Is Interstitial Monitoring Probe Third-Party Certified - Tank? Yes														
Party Certified – Tank? Manufacturer and Name/Model of Interstitial Monitoring Probe - Piping: Is Interstitial Monitoring Probe Third-Party Certified – Piping? IV. External Liner 1 Is the secondary partier constructed from artificially constructed material, with permeability to substance < 10 ⁻⁶														
Party Certified – Tank? Manufacturer and Name/Model of Interstitial Monitoring Probe - Piping: Is Interstitial Monitoring Probe Third-Party Certified – Piping? Yes IV. External Liner 1. Is the secondary parrier constructed from artificially constructed material, with permeability to substance < 10 ⁻⁶														
Party Certified – Piping? IV. External Liner 1. Is the secondary barrier constructed from artificially constructed material, with permeability to substance ≤ 10 ⁻⁶ □ □														
IV. External Liner 1. Is the secondary barrier constructed from artificially constructed material, with permeability to substance ≤ 10 ⁻⁶ □														
3 If monitoring w	vells are part of the	e leak det	tection s	ystem, ar	e the mo			arly mar	ked as	monitorin	ng			
	vater table always			•		v barrie	r?							
	ole may reach the							designs	approp	riate und	er			
V. Interstitial		Result	S				(F	P =Pass,	F =Fail, I	INC =Inco	nclusive,	N= Non	ie)	
Year	Month	Tank #1	Pipe #1	Tank #2	Pipe #2	Tank #3	Pipe #3	Tank #4	Pipe #4	Tank #5	Pipe #5	Tan	•	
	January	#1	#1	#2	#2	#3	#3	#4	#4	#5	#5	#6	#6	
	February													
	March													
	April													
	May													
	June													
	July													
	August													
	September													
	October													
	November													
	December													
Is leak detection b	eing conducted in	n accorda	nce with	third part	y perfor	mance	claim?				'es	<u>"</u>	No	
										1				

Page 7 7/7/10

US	I-IUD		Leak L	Jelecii	011 – 11	itei Stii	liai ivio	IIIIOIIII	ig (prior	to 11/1/	J7)	í	NCDENR
VI. In	terstitia			ults (UDC			s, F =Fail, IN						
		Disp	Disp	Disp	Disp	Disp	Disp	Disp	Disp	Disp	Disp	Disp	Disp
Year	Month Jan												
	Feb												
	Mar												
	Apr												
	May												
	Jun												
	Jul												
	Aug												
	Sept												
	Oct												
	Nov												
	Dec											 	
Pipe in	sump												
(if mon	tored by sensor) N, N/A)												
			on also at a al in					-1-:0			<u> </u>	<u> </u>	<u> </u>
15 lear	detection	on being co	mauciea ii	n accordan	ce with thin	ти рапу ре	nomance	Ciaiiii] Yes	<u> </u>	No

Page 8 7/7/10

spe	ection Date: Inspector's Name:			Page:	of	Facility ID#:	. TOPEN
	unufacturer and Name/Model of Interstitial Monitoring Console:			. ugo		T dointy 15#.	
	Tanks	Tank #1	Tank #2	Tank #3	Tank #4	Tank #5	Tank #
۱. ۱	Manufacturer of Sensor UST-6B		I dlik #2	Talik #3	Talik #4	Talik #5	Talik #
2.	Name/Model of Sensor UST-6B						
3.	Monitoring type UST-6B						
_	(Float sensor, Pressure, Vacuum, or Hydrostatic)						
4. -	Sensor 3 rd Party Certified (Y, N)						
5.	Sensor Operability Check Date (required annually) UST-22B Sensor Operability Check Results (P, F) UST-22B						
6. f ir	Sensor Operability Check Results (P, F) UST-22B nterstice only monitored by a float sensor complete the following	n auestions					
7.	Tightness Test Date (required every 3 years) UST-23D	g questions	T				
3.	Interstice Tghtness Test Result (P, F) UST-23D						
	Tightness test 3 rd party certified (Y, N)						
	Method available to determine sensor at (Y, N) lowest point of interstice						
11.	Sensor at lowest point of interstice (Y, N)						
12.	Sensor activates an alarm for any liquid (Y, N)						
13.	Liquid removed from interstice within 48 hours (Y, N, N/A)						
II.	Spill Buckets						
1.	Manufacturer of Sensor UST-6B						
2.	Name/Model of Sensor UST-6B						
3.	Monitoring type UST-6B (Float sensor, Pressure, Vacuum, or Hydrostatic)						
4.	Sensor Third-Party Certified (Y, N)						
5.	Sensor Operability Check Date (required annually) UST-22B						
6.	Sensor Operability Check Results (P, F) UST-22B						
7.	Tightness Test Date (if monitored by Float sensor) UST-6D/23A (required every 3 years)						
	Primary bucket Tightness Test Result (P, F) UST-6D/23A						
	Secondary bucket Tightness Test Results (P, F) UST-6D/23A						
Ш.	. Tank Sumps						
1.	Manufacturer of Sensor UST-6B						
2.	Name/Model of Sensor UST-6B						
3.	Monitoring type (Sump Sensor, UST-6B Pressure, Vacuum, or Hydrostatic)						
4.	Sensor Third-Party Certified (Y, N)						
5.	Sensor Op Check Date (annually) UST-22B						
6.	Sensor Op Check Result (P, F) UST-22B						
7.	Sump Visual Inspection Date (required annually) UST-22C						
8.	Sump Visual Inspection Results (P, F) UST-22C						
9.	Sump Tightness Test Date (if monitored by Sump sensor) (required every 3 years) UST-6F/23B						
10.	Sump Tightness Test Result (P, F) UST-6F/23B						

	ST-10B Leak Detection Date: Inspector's Nan				age:		Facility ID#:	NCDE!
· \/		ie.	Ding #4				•	Dina #6
	. Piping	LICT CD	Pipe #1	Pipe #2	Pipe #3	Pipe #4	Pipe #5	Pipe #6
		UST-6B						
2. R	Name/Model of Sensor Monitoring type	UST-6B UST-6B						
<i>'</i>	(Sump sensor, Pressure, Vacuum, or Hydrosta							
ŀ.	Sensor Third-Party Certified (Y	′, N)						
5.	Sensor Operability Check Date (required an	nually) UST-22B						
). 7.	Secondary Tightness Test Date (if monitored by Sump sensor) (required	UST-22B UST-6G/23C every 3 years)						
3.		P, F) UST-6G/23C						
).		UST-6G/23C ', N)						
/ .	UDC	Dsp	Dsp	Dsp	Dsp	Ds	sp	Dsp
	Manufacturer of Sensor UST-6B							
<u>}</u> .	Name/Model of Sensor UST-6B							
3.	Monitoring type (Sump Sensor, Pressure, Vacuum, or Hydrostatic)							
١.	Sensor Third-Party Certified (Y, N)							
5.	Sensor Op Check Date (annually) UST-22B							
6.	Sensor Op Check Result (P, F) UST-22B							
' .	UDC Visual Inspect Date (annually) UST-22C							
3.	UDC Visual Inspection Result (P, F) UST-22C							
9.	Tightness Test Date (if monitored by Sump sensor) (required every 3 years) UST-6F/23B							
10.	Tightness Test Result (P, F) UST-6F/23B	1						
		Dsp	Dsp	Dsp	Dsp	Ds	sp	Dsp
۱.	Manufacturer of Sensor UST-6B							
2.	Name/Model of Sensor UST-6B							
3.	Monitoring type (Sump Sensor, Pressure, Vacuum, or Hydrostatic)							
١.	Sensor Third-Party Certified (Y, N)							
	Sensor Op Check Date (annually) UST-22B							
5.			İ					
	Sensor Op Check Result (P, F) UST-22B							
6.	UDC Visual Inspect Date (annually) UST-22C							
6. 7. 8.	UDC Visual Inspect Date (annually) UST-22C UDC Visual Inspection Result (P, F) UST-22C							
5. 6. 7. 8.	UDC Visual Inspect Date (annually) UST-22C							

Page 10 7/7/10

US	ST-10	В				Lea	ak [Det	ect	ion	_	Inte	erst	itia	I M	oni	itor	ing	(af	ter 1	1/1/0)7)					NCD	ENR
Inspecti	on Date:					Inspe	ector's	Nam	e:								Pag	ge: _		of		F	acility	ID#:				
VI. I	ntersti	tial	Мо	nit	ori	ing	Res	sult	S	T =Ta					SB=	Spill	Buck	et				ı						
												r Stat Histor				Pass, ′es, N		ail, N =	= Non	e)								
					Tanl	k #1				k #2			Tar	ık #3			Tar	ık #4				ık #5				nk #		
Year	Mor	nth	s	<u>T</u>	Α	S	В	S	T A	S	В	S	T A	S	В	S	T A	S	B A	s	T A	s	SB	s	TA	+	SB S	A
	Januar	у																										
	Februa	ary																										
	March																											
	April																											
	May																							<u> </u>				
	June																											
	July																							<u> </u>				
	Augus	t																						<u> </u>				
	Septer	nber																						<u> </u>				
	Octobe	er																						1				
	Novem	nber																						1				
	Decem	ber	Ш_																									
								Pipi	ng)					S= Se A= Ala						ss, F : , N =N	=Fail, lo)	N = N	lone)					
·	#1 #2 #3 #4 #5 Pipe Pipe Pipe Pipe Pipe P												nk 6				Т	ank #1	Та	nk 2	Tar #3		Tan #4		Tank #5		Tan #6	
		Pi	ре	Р	ipe	_	Pipe	Р	ipe	Pi	ре	Pi	ре		•		Р	ipe	Pi	ре	Pip	е	Pipe	е	Pipe		Pip	е
Year		S	Α	S	Α	S	5 A	S	Α	S	Α	S	Α	Year		Month Jul	S	Α	S	Α	S	Α	S	Α	S	Δ :	S	Α
	Feb				-	╢		\parallel							-		╂							\dashv		+		
						╢										Aug Sept	╂							\dashv				
	Mar					╢										Oct	╂							\dashv				
	Apr May					╫		╢	+							Nov	╂							\dashv		╫		_
	Jun							╢								Dec	╂							\dashv		+		
Sensor	< 2" off					╫								Sens			╂									+		
	? (Y, N)															Y, N)												
Pipe in open to	terstice sump													Pipe open														
(if mon	itored by sensor)													(if mo	onitore	ed by												
(Y,	N, N/A)													(Y, N,	N/A)												

US	ST-10	В			Lea	ak [Dete	ectio	on -	- Int	ters	titia	ıl M	oni	itor	ing	(aft	er 11	/1/0	7)				Ž.	CDENR
Inspecti	on Date:				Inspe	ector's	Name):							Pag	e: _		of		Faci	lity ID#	<u>+:</u>			
VI. In	terstitia	l Mc	nito	ring	Resu	ılts (UDC)	S= Sen N=Alari	sor St	atus		(P =	=Pass	s, F =F N =No)	ail, N	l= Non	e)							
		Dis	р	Disp)	Dis	p	Disp		Disp	-	Disp		Dis		Dis	p	Dis	р	Dis)	Dis	р	Dis	sp
Year	Month	S	Α	S	Α	s	Α	S	Α	S	Α	S	Α	S	Α	S	Α	S	Α	S	Α	S	Α	S	Α
	Jan																								
	Feb																								
	Mar	Apr																							
	Apr																								
	May																								
	Jun																								
	Jul																								
	Aug																								
	Sept																								
	Oct																								
	Nov																								
	Dec																								
Sensor bottom	? < 2" off ? (Y, N)																								
open to	itored by																								
Sump s	sensor) N, N/A)																								

Page 12 7/7/10

UST-10B	Leak D	etection -	Statistica	al Inventory	y Reconcili	ation		Á	EDENR
Inspection Date:	Inspe	ctor's Name:			Page:of		Facility ID)#:	
I. Statistical I			Informatio	n					
Manufacturer and Na	me/Model of SIR Sys	stem:		Is SIR System T	hird-Party Certified	d?	☐ Yes	s 🗆	No
II. Statistical	Inventory Re	conciliation	Detail				YES	NO	N/A
1. Were all valid fa	ail tests reported to	o the division witl	nin 24 hours?						
2. Were all valid fa	ail tests investigate	ed within 7 days?	•						
III. Statistical	Inventory R	econciliatio	n – Manual					YES	NO
1. Do books appe	ar used and the ev	vidence of daily e	entries is appare	ent?					
2. Is equipment ca	apable of measuring	ng product levels	to the nearest	1/8-inch?					
3. Do records indi	cate that product h	nas been measui	red to the neare	est 1/8 of an inch?					
4. Are appropriate	calibration charts	and interpolation	n being used (w	hen necessary) fo	or calculating volur	ne?			
5. Do records incl	ude monthly water	measurements?	?						
IV. Statistica	I Inventory R	econciliatio	n – Electro	nic					
Manufacturer and Na	me/Model of System	n / Console:						YES	NO
Is the equipment ca	apable of measuri	ng product levels	to the nearest	1/8"?					
V. Statistical	Inventory Re	econciliation	n Test Resu	ults					
SIR Test Results:			IC = Inconclus						
Year	Month	Tank #1	Tank #2	Tank #3	Tank #4	Taı	nk #5	Tanl	¢ #6
	January								
	February								
	March								
	April								
	May								
	June								
	July								
	August								
	September								
	October								
	November								
	December								
Is leak detection b	eing conducted in	accordance with	third party perf	ormance claim?	•		⁄es	☐ No	о

Page 13 7/7/10

US	Г-10В	Lea	k Det	ectio	n – In	vento	ory	Contro	l and T	ank	Tight	ness	Testi	ng	NCDENR
nspection	on Date:		Ins	pector's N	Name:					Page:	of		Facility II	D#:	
I. Inv	entory	Contro	ol and	Tank	Tightn	ess T	est	Informat	ion					YES	NO
1. Is	s inventory co	ontrol a va	alid metho	d of leak	detection	for these t	tanks?	? *							
								htness Testir s installed or							
II. In	ventory	Contr	ol Dat	a										YES	NO
1. C	an owner/op	erator ex	plain inve	ntory con	rol metho	d (includin	ng hov	v data is used	and record	ed)?					
	o books app				-										
			•					1/8 of an inch			- 0				
	- ''				•		•	n necessary)		ing volum	e?			<u> </u>	
	•											$\overline{}$			
 Records indicate that the monthly over/short is compared with the threshold value. 															
											vhat				
9. C															
10. Are deliveries made through a drop tube?															
					oroduct lev	el can be	deter	mined to the	nearest 1/8"	?					
III. Ir	nventory				Tonk	Tonk	Ton	Jr.	(F				nclusive,	_	
Year	Month	Tank #1	Tank #2	Tank #3	Tank #4	Tank #5	Tan #6	ı yoar	Month	Tank #1	Tank #2	Tank #3	Tank #4	Tank #5	Tank #6
	JAN								JUL						
	FEB								AUG						
	MAR								SEP						
	APR								OCT						
	MAY								NOV						
	JUN								DEC						
IV. T	ank Tig	htnes	s Test	Inforr	nation										
Manufa	cturer and N	ame/Mod	el of TTT	Method:				Is TTT I	Method Th	ird-Party	/ Certifie	d?	☐ Ye	s [] No
TTT Te	ster Name:														
TTT Te	sting Compa	ıny:					Cit	ty:		State:			Phone I	Number:	
\/ T	onk Tiek	1000	Toot					Tank #1	Tank #2	Ton	L #2 .	Tank #4	Tank	. 45	Tank #6
	ank Tight Date of last		rest					Tank #1	Tank #2	Tan	K #3	rank #4	Tank	45	Tank #0
	Result of last			(D.	oo Foil I	n a a n alu aiu	, (a)								
			or TTTe /	•	ass, Fail, I										
	3 Are all data sheets for TTTs available? (Y/N)														
	4. Was required portion of the tank tested? (Y/N)5. Was the TTT method used valid for this system? (Y/N)														
					-	•	N)								
	Vas the tan Test required			ne most	recent de	eadline? (Y/I	N)								
7. A	ny prior tes	sts with f	ailed res	ults:		(Y/I	N)								

Page 14 7/7/10

UST-	-10B	Leal	k Dete	ction	– Mai	nual T	anl	k Gaugir	ng and	Tank	Tightr	ness	Testir	ng i	ATA NCDENR	
Inspection	Date:		Ins	pector's N	Name:					Page:	of		Facility ID) #:		
I. Man	ual Ta	nk Ga	uging	and T	ank Ti	ightne	ss T	Test Info	rmatior	1				YES	NO	
1. Is ma	anual tank	gauging a	a valid me	thod of le	ak detecti	ion for the	se tar	nks (see note	below)?							
								ness Testing								
								see chart bel		irouny pro	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		10 10101			
		ow that liqued is added					e beg	inning and en	ding of the	appropria	te time per	iod durir	ng			
	evel meas						ive sti	ck readings at	both the b	eginning a	ind end of t	he time				
5. Are r	5. Are monthly averages less than the monthly standard listed in the table below?															
6. Can the gauge stick reach the tank bottom, is marked legibly and can measure product level to the nearest 1/8"?																
7. Monitoring records are available for the last 12 months?																
Method Number Nominal Tank Capacity TTT Required? Weekly Standards Monthly Standards Minimum											m Test Duration					
1			550 gallon			No		10 gallor		5 ga			36 hours			
2			1,000 gall			Yes		13 gallor		7 ga			36 hours			
3 1,001 - 2,000 gallons Yes 26 gallons 13 gallons 36 hours II. Manual Tank Gauging Results (P = Pass, F = Fail, INC = Inconclusive, N = None)																
		Tank	Tank	Tank	Tank	Tank	Tan	ık İ		C =Incon Tank	Clusive, N	= None Tank				
Year	Month	#1	#2	#3	#4	#5	#6	ı year	Month	#1	#2	#3	#4	#5	#6	
	JAN								JUL							
	FEB								AUG							
	MAR								SEP							
	APR								OCT							
	MAY								NOV							
	JUN								DEC							
III. Tai	nk Tig	htness	Test	Inforn	nation											
Manufactu	irer and N	lame/Mode	el of TTT	Method:				Is TTT	Method Th	nird-Party	Certified	?	☐ Ye	s	□ No	
TTT Teste	er Name:							_								
TTT Testi	na Compa	anv.					Cit	tv.		State:			Phone N	Jumber		
111100	ng compe	y.						.,.		Otato.						
IV. Ta	nk Tig	htness	s Test					Tank #1	Tank #2	2 Tan	k #3 Ta	ank #4	Tank	#5	Tank #6	
1. Date	of last T	TT:														
2. Resi	ult of last	TTT:		(Pa	ass, Fail, I	nconclusi	ve)									
3 Are	all data s	heets for	TTTs av	/ailable?	(Y.	/N)										
4. Was	required	d portion	of the tar	nk tested	l? (Y	/N)										
		tested p		e most re		adline? /N)										
6. Any prior tests with failed results: (Y/N)																

Page 15 7/7/10

UST-10B Leak Detection – Vapor Monitoring											NCDENR				
Inspection	Date:		Ins	pector's N	Name:					Page:	of		Facility I	D#:	
I. Vap	or Mor	nitorin	g Info	rmatic	n										
Manufactu	urer and N	ame/Mode	el of Vapo	r Monitor	ing Senso	r Console	э:	Is Vapor Monitoring Sensor Console Third-Party Certified?							□ No
Manufactu	urer and N	ame/Mode	el of Vapo	r Monitor	ing Probe	:		Is Vapor Monitoring Probe Third-Party Certified?							□ No
Date Insta	alled:							Number of Monitoring Wells:							
Name of L	icensed G	Geologist /	Profession	nal Engir	neer:			Certificat	tion No.:						
II. Vap	or Mo	nitorir	ng We	ls Det	ail		1								Well #6
1. Mini	mum dist	ance of v	wells fror	n tank(s)):										
2. Mini	mum dist	ance of v	well from	piping:											
3. Dep	th to wate	er table													
4 Well	is clearly	/ marked	as "Mor	itoring V	Vell"	(Y/	N)								
5. Well	has wate	ertight co	ver			(Y/	N)								
6. Well	6. Well is locked (Y/N)														
7. Well	7. Well is free of debris (Y/N)														
III. Vapor Monitoring Questions												YES	NO		
1. Has a UST-4 and UST-5 been submitted?															
2. Is do	2. Is documentation available showing that the excavation zone was assessed prior to installation of the VM system?														
3. Was	s porous i	material	used as l	oackfill a	s indicat	ed by pr	e-installa	ation site a	assessmer	nt?					
4. Are	wells with	nin the ex	cavation	zone as	s indicate	ed by pre	-installa	tion site a	ssessmen	t?					
5. Are	wells free	e of wate	r and/or	other inte	erference	es to vap	or detec	tion?							
	e level of					? (see co	omments)								
	por Mo													YES	NO
-	ower box														
	quipment														
	•							manufac	turer?						
	14-day le				ailable fo	r the last	t 12 mor	iths?							
	por Mo													YES	NO
	quipment														
						-		manufac	turer?						
	14-day le														
	por Mo	ONITORI Tank	ng 14-	Tank	Tank	Tank	Tank	1		P =Pass, Tank	F =Fail, I Tank	NC =Inco	nclusive Tank	, N = No	
Year	Month	#1	#2	#3	#4	#5	#6	Year	Month	#1	#2	#3	#4	#5	#6
	JAN								JUL					1	
	FEB								AUG						
	MAR								SEP						
	APR								ОСТ						
	MAY								NOV						
	JUN								DEC						

UST-	UST-10B Leak Detection – Groundwater Monitoring													\ \lambda{R}		
Inspection	Date:		Ins	pector's N	Name:					Page:	of		Facility I	D#:		
I. Gro	undwa	ter Mo	nitori	ng Inf	ormati	on										
Manufactu	urer and Na	ame/Mode	el of Grou	ndwater N	Monitoring	Console:			ndwater Marty Certific		Conso	le	☐ Ye	es 🗌 No		
Manufactu	urer and Na	ame/Mode	el of Grou	ndwater N	Monitoring	Probe:		Is Groundwater Monitoring Probe Third-Party Certified?							□ No	5
Date Insta	illed:							Number	of Monitorin	g Wells:						
Name of Licensed Geologist / Professional Engineer: Certification No.:																
II. Gro	II. Groundwater Monitoring Wells Detail															#6
1. Mir	Minimum distance of wells from tank(s):															
2. Min	Minimum distance of well from piping:															
3. De _l	Depth to water table															
4 We	Well is clearly marked as "Monitoring Well" (Y/N)															
5. We	ell has wa	tertight c	over			(Y/	N)									
6. We	Well is locked (Y/N)															
7. We	Well is free of debris (Y/N)															
III. Gr	. Groundwater Monitoring Questions												YES	N	10	
1. Has	Has a UST-4 and UST-5 been submitted?															
2. Is c	Is documentation available showing that the excavation zone was assessed prior to installation of the wells?															
3. Is t	. Is the hydraulic conductivity of soil between the UST system and monitoring wells greater than 0.01 cm/sec?															
4. Is t	. Is the depth to the water table greater than 20 feet from ground surface?															
5. Are	wells us	ed to mo	nitor pip	ing, and	placed a	t less tha	an 50-foo	ot interval	s?							
6. Are	wells sc	reened (s	slotted) f	rom 2 ft.	to 20 ft.	below la	nd surfa	ce or to 2	ft. below s	easonal	low wat	ter table?				
7. Are	wells su	rrounded	l with sa	nd/grave	l to scree	en top, a	s well as	, plugged	, and grou	ted to fin	ished g	rade?				
IV. Gr	oundw	ater N	lonito	ring –	Autor	natic								YES	N	0
1. ls r	nonitoring	g console	presen	t and fun	ctioning?)										
2. Is e	equipmen	t used to	take rea	adings ad	ccessible	and fun	ctioning	?								
3. Has	s ground	vater-mo	nitoring	equipme	nt been	calibrate	d as req	uired by r	nanufactur	er?						
4. Are	14-day l	eak dete	ction rea	idings av	ailable fo	or the las	st 12 mo	nths?								
V. Gro	oundwa	ater M	onitor	ing –	Manua	ıl <u> </u>								YES	N	0
1. Is e	equipmen	t used to	take rea	adings ad	ccessible	and fun	ctioning	?								
2. Has	s ground	vater-mo	nitoring	equipme	ent been	calibrate	d as req	uired by r	nanufactur	er?						
	14-day l							nths?								
VI. Gr	oundw							1	(F			NC =Inco				
Year	Month	Tank #1	Tank #2	Tank #3	Tank #4	Tank #5	Tank #6	Year	Month	Tank #1	Tank #2	Tank #3	Tank #4	Tanl #5		ank #6
	JAN								JUL							
	FEB								AUG							
	MAR								SEP							
	APR OCT															
	MAY								NOV							
	JUN								DEC							

UST-10B Siting and Secondary Containment for Underground Storage Tank Systems Near Wells and Surface Waters



	0.01	age rank bystems is	cai vvci	- and	<u> </u>	mat			
Inspe	ection Date:	Inspector's Name:			Page:	of	_ F	acility ID#:	
I. \	Water Supply / Prot	ected Waters – UST Siti	ng Issue	5			YES	NO	Distance(s)
1.	Is municipal water availab								
2.	Are there any wells serving								
3.	Are there any wells serving								
4.	Are there any other wells s								
5.	Are there any other wells s								
6.	Are there any protected su								
*clas	ssified as High Quality Water (HQV								
			Tank #1	Tank #2	Tank #3	Tanl	k #4	Tank #5	Tank #6
7.	Was the UST system insi 1991? (If "N" skip to ques	talled on or before January 1, tion 10) (Y, N)							
8	Did the UST system mee performance standards (oprevention, and overfill pro-								
		o sites that have tanks and/or pipir 0 & 100 feet of any other well used				well, w	vithin 5	600 feet of	protected
9.		before January 1, 1991) Does containment (required after (Y, N, N/A)							
10.		January 1, 1991) Does the tank nent (required after 1/1/2016)? (Y, N, N/A)							
11.	Does all metal piping and secondary containment (
12.		n-metal piping and ancillary ry containment (required after (Y, N, N/A)							
II.	Enhanced Leak De	tection Records - Well S	ampling				Y	ES N	IO N/A
		VOC and metal (where applicable) office? (Only required if not upgra							_
III.	Water Supply Wel	Is (UST systems or componen	ts installed	after 11/1	/2007)				
1.	Was the UST system and November 1, 2007?	d/or piping installed on or after (Y , N)							
2.	Is any part of the UST or 100 ft of a public well or 5 consumption well?	piping system located within 50 ft of any other human (Y , N)							

Page 18 7/7/10

US	ST-10B	Deliveries	to Unp	ermitted	Tanks	A TA					
Inspe	ction Date:	Inspector's Name:			Page:	_of Fa	acility ID#:				
I. E	vidence of Deliver	y			•						
Please list date(s) of delivery, how delivery was verified, etc.											
	Date / Time of Delivery	Verification Method (Verbal, Invoice*, etc.)		Delivered gal)	Product Type**	Transpo	orter / Carrier				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
*Note **Pro	pduct Types: $P = Premium$,	s are available please record in M = Mid-grade, R = Regular, E Dil, NO = New Oil, RG = Racing	B = Ethanol B	/ ticket numbers lend, D = Diesel,	B = Biodiesel, Bl	3 = Biodiesel Ble	end, K = Kerosene,				
II. I	Fuel Transporter(s)										
	Transporter / Carrier Compan	ny Name:		Phone Number:							
Α	Street Address:			City:		State:	Zip Code:				
	Transporter / Carrier Compan	y Name:		Phone Number:	:						
В	Street Address:			City:		State:	Zip Code:				
	<u> </u>										